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TRANSMITTAL  
FORM

(to be used for all correspondence after initial filing)



		Application Number	09/060,825
		Filing Date	April 16, 1998
		First Named Inventor	BRENNAN, Robert
		Art Unit	2644
		Examiner Name	TRAN, Con P.
Total Number of Pages in This Submission		Attorney Docket Number	10494-10

## ENCLOSURES (check all that apply)

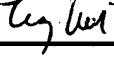
<input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Return Receipt Postcard Request for Certificate of Correction Certificate of Correction
Remarks		

## Certificate

AUG 31 2006

## of Correction

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm	Bereskin & Parr		
Signature			
Printed Name	Tony R. Orsi		
Date	August 25, 2006	Reg. No.	55,831

## CERTIFICATE OF TRANSMISSION/MAILING

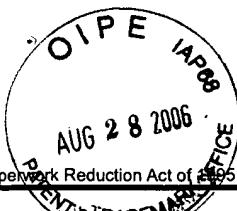
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Signature		
Typed or printed name		Date

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

AUG 31 2006



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Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

# FEE TRANSMITTAL For FY 2006

Applicant claims small entity status. See 37 CFR 1.27

**TOTAL AMOUNT OF PAYMENT** (\$)**100.00**

## Complete if Known

Application Number	09/060,825
Filing Date	April 16, 1998
First Named Inventor	BRENNAN, Robert
Examiner Name	TRAN, Con P.
Art Unit	2644
Attorney Docket No.	10494-10

## METHOD OF PAYMENT (check all that apply)

Check  Credit Card  Money Order  None  Other (please identify): \_\_\_\_\_  
 Deposit Account Deposit Account Number: **022095** Deposit Account Name: **Bereskin & Parr**

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

Charge fee(s) indicated below  Charge fee(s) indicated below, except for the filing fee  
 Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17  Credit any overpayments

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## FEE CALCULATION (All the fees below are due upon filing or may be subject to a surcharge.)

### 1. BASIC FILING, SEARCH, AND EXAMINATION FEES

<u>Application Type</u>	<u>FILING FEES</u>		<u>SEARCH FEES</u>		<u>EXAMINATION FEES</u>		<u>Fees Paid (\$)</u>
	<u>Fee (\$)</u>	<u>Small Entity</u>	<u>Fee (\$)</u>	<u>Small Entity</u>	<u>Fee (\$)</u>	<u>Small Entity</u>	
Utility	300	150	500	250	200	100	_____
Design	200	100	100	50	130	65	_____
Plant	200	100	300	150	160	80	_____
Reissue	300	150	500	250	600	300	_____
Provisional	200	100	0	0	0	0	_____

### 2. EXCESS CLAIM FEES

#### Fee Description

Each claim over 20 (including Reissues)

Each independent claim over 3 (including Reissues)

Multiple dependent claims

<u>Total Claims</u>	<u>Extra Claims</u>	<u>Fee (\$)</u>	<u>Fee Paid (\$)</u>	<u>Multiple Dependent Claims</u>	<u>Small Entity</u>
	<u>Fee (\$)</u>	<u>Fee (\$)</u>	<u>Fee (\$)</u>		
- 20 or HP =	x	=		50	25

HP = highest number of total claims paid for, if greater than 20.

<u>Indep. Claims</u>	<u>Extra Claims</u>	<u>Fee (\$)</u>	<u>Fee Paid (\$)</u>	<u>Fee (\$)</u>	<u>Fee Paid (\$)</u>
	<u>Fee (\$)</u>	<u>Fee (\$)</u>	<u>Fee (\$)</u>		
- 3 or HP =	x	=			

HP = highest number of independent claims paid for, if greater than 3.

### 3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

<u>Total Sheets</u>	<u>Extra Sheets</u>	<u>Number of each additional 50 or fraction thereof</u>	<u>Fee (\$)</u>	<u>Fee Paid (\$)</u>
	<u>Fee (\$)</u>	<u>Fee (\$)</u>	<u>Fee (\$)</u>	<u>Fee (\$)</u>
- 100 =	/ 50 =	(round up to a whole number) x	=	

### 4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): Certificate of Correction

Fees Paid (\$)

100.00

## SUBMITTED BY

Signature		Registration No. (Attorney/Agent) 55,831	Telephone (416) 364-7311
Name (Print/Type)	Tory R. Orsi		Date August 25, 2006

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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## Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

AUG 31 2006

# Bereskin & Parr

INTELLECTUAL PROPERTY LAW



August 25, 2006

Tony R. Orsi  
B.A.Sc., M.A.Sc. (Elec. Eng.)  
416 957 1603 [torsi@bereskinparr.com](mailto:torsi@bereskinparr.com)

Your Reference: 09/060,825  
Our Reference: 10494-10

## REQUEST FOR CERTIFICATE OF CORRECTION UNDER 35 U.S.C. 255 AND 37 C.F.R. 1.323

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA  
U.S.A. 22313

Attn: Certificate of Correction Branch

Dear Sir:

**Re: United States Patent Application No. 09/060,825  
United States Patent No. 7,016,507  
For: METHOD AND APPARATUS FOR NOISE REDUCTION, PARTICULARLY  
IN HEARING AIDS  
Issued: March 21, 2006  
Filed: April 16, 1998  
Applicant: BRENNAN, Robert  
Examiner: TRAN, Con P.**

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In accordance with the provisions of 35 U.S.C. 255 and 37 C.F.R. 1.323, please find attached a Certificate of Correction form.

The Applicant respectfully submits that the corrections are of a clerical nature and do not constitute new matter or require examination. The Applicant further submits that only a portion of the errors were made by the Applicant with the majority being made by the USPTO. In particular, the certificate requests that:

1. In the Abstract, line 6, the word --amplifying-- be changed to --amplify--, so that the line reads "amplify the input signal sufficiently to overcome the".

08/29/2006 SDENB0B1 00000052 7016507

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Scotia Plaza, 40 King Street West, 40th Floor, Toronto, Ontario, Canada M5H 3Y2

Tel: 416.364.7311 Fax: 416.361.1398 [www.bereskinparr.com](http://www.bereskinparr.com)

TORONTO MISSISSAUGA WATERLOO MONTRÉAL

AUG 31 2006

2. In the Brief Summary of the Invention section, in column 2, line 39, the formula -- $(\uparrow \hat{S}(f))$ -- be changed to -- $(\hat{S}(f))$ -- so that the line reads "estimate  $(\hat{S}(f))$  may be determined by subtracting the".
3. In Description of the Preferred Embodiment section, in column 4, line 52, the words --speech detector-- be changed to --voice detection unit-- so that the line reads "connected to a voice detection unit 34 which works in parallel to".
4. In Description of the Preferred Embodiment section, in column 4, line 56, the word --detector-- be changed to --voice detection unit-- so that the line reads "being isolated or detected by voice detection unit 34. These pauses".
5. In the Description of The Preferred Embodiment section, in column 5, line 35, the formula -- $|\hat{S}(f)|^2 - |\hat{N}(f)|^2$ -- be changed to -- $|\hat{S}(f)|^2 \approx |X(f)|^2 - |\hat{N}(f)|^2$ -- so that the line reads  $|\hat{S}(f)|^2 \approx |X(f)|^2 - |\hat{N}(f)|^2$ .
6. In the Claims section, in column 10, line 13, the formula -- $G_n(f) = (1-\gamma)H(f) + \gamma G_{n-1}(f)$ -- be changed to -- $G_n(f) = (1-\gamma)H(f) + \gamma G_{n-1}(f)$  so that the line reads  $G_n(f) = (1-\gamma)H(f) + \gamma G_{n-1}(f)$ .
7. In the Claims section, in column 12, lines 47 and 48, the words --an input amplification-- be changed to --the input-- so that these two lines read "an amplification unit for receiving the input signal and the amplification control signal and".

The government fee of \$100.00 is included in our cheque no. 8528. Please charge any deficiency or credit any overpayment to our deposit account no. 02-2095.

Respectfully submitted,



Tony R. Orsi  
Registration No. 55,831  
/cl  
Encl.

AUG 31 2006

**UNITED STATES PATENT AND TRADEMARK OFFICE**  
**CERTIFICATE OF CORRECTION**

PATENT NO : 7016507

Page 1 of 2

APPLICATION NO. : 09/060,825

ISSUE DATE : March 21, 2006

INVENTOR(S) : BRENNAN, Robert

It is certified that error appears in the above-identified patent and that said Letters Patent are hereby corrected as shown below:

1. In the Abstract, line 6, the word --amplifying--has been changed to --amplify--, so that the line reads "amplify the input signal sufficiently to overcome the".
2. In the Brief Summary of the Invention section, in column 2, line 39, the formula  $\left(\uparrow \hat{S}(f)\right)$  has been changed to  $\left(\left|\hat{S}(f)\right|\right)$  so that the line reads "estimate  $\left(\left|\hat{S}(f)\right|\right)$  may be determined by subtracting the".
3. In Description of the Preferred Embodiment section, in column 4, line 52, the words --speech detector--has been changed to --voice detection unit-- so that the line reads "connected to a voice detection unit 34 which works in parallel to".
4. In Description of the Preferred Embodiment section, in column 4, line 56, the word --detector--has been changed to --voice detection unit-- so that the line reads "being isolated or detected by voice detection unit 34. These pauses".
5. In the Description of The Preferred Embodiment section, in column 5, line 35, the formula  $\left|\hat{S}(f)\right|^2 - \left|\hat{N}(f)\right|^2$  has been changed to  $\left|\hat{S}(f)\right|^2 \approx \left|X(f)\right|^2 - \left|\hat{N}(f)\right|^2$  so that the line reads  $\left|\hat{S}(f)\right|^2 \approx \left|X(f)\right|^2 - \left|\hat{N}(f)\right|^2$ .

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Bereskin & Parr  
 Box 401, 40 King Street West  
 Toronto, Ontario, M5H 3Y2, Canada

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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**UNITED STATES PATENT AND TRADEMARK OFFICE**  
**CERTIFICATE OF CORRECTION**

PATENT NO : 7016507

Page 2 of 2

APPLICATION NO. : 09/060,825

ISSUE DATE : March 21, 2006

INVENTOR(S) : BRENNAN, Robert

It is certified that error appears in the above-identified patent and that said Letters Patent are hereby corrected as shown below:

6. In the Claims section, in column 10, line 13, the formula --  

$$G_n(f) = (1 - \gamma)H(f) + \gamma G_{n-1}(f)$$
 -- has been changed to --  

$$G_n(f) = (1 - \gamma)H(f) + \gamma G_{n-1}(f)$$
 so that the line reads  

$$G_n(f) = (1 - \gamma)H(f) + \gamma G_{n-1}(f)$$
7. In the Claims section, in column 12, lines 47 and 48, the words --an input amplification--has been changed to --the input-- so that these two lines read "an amplification unit for receiving the input signal and the amplification control signal and".

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*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*

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